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1 # R code 4
2
3 # Pino Trogu
4 # School of Design -- San Francisco state University
5 # DATA? TA-DA!
6 # Data Viz Workshop 2019-02-20
7 # CA 260 - 4:00 - 6:00 PM
8 # ALL CODE BELOW PROVIDED "AS IS"
9
10 # import dataset text file: breCan.txt (it's a comma separated value file (CSV) so extension could
... have been .csv)
11 # this is the same dataset used for the R script code_2.R
12
13
14 # PLOT white INC/MORT and black INC/MORT
15 # *****
16 # *****
17
18
19 plot(breCan)
20
21 #plot white without names
22 plot(breCan$nhWhite_inc10_14,
23       breCan$nhWhite_mort11_15)
24
25 # plot black without names
26 plot(breCan$nhBlack_inc10_14,
27       breCan$nhBlack_mort11_15)
28
29
30 # PLOT WITHOUT FIXED Xlim & Ylim
31
32 # plot non-hispanic white with state names
33 plot(breCan$nhWhite_inc10_14,
34       breCan$nhWhite_mort11_15,
35       text(breCan$nhWhite_inc10_14,
36            breCan$nhWhite_mort11_15,
37            breCan$state,
38            cex=0.5)
39 )
40
41 # plot non-hispanic black with state names
42 plot(breCan$nhBlack_inc10_14,
43       breCan$nhBlack_mort11_15,
44       text(breCan$nhBlack_inc10_14,
45            breCan$nhBlack_mort11_15,
46            breCan$state,
47            cex=0.5)
48 )
49
50
51 # PLOT WITH FIXED Xlim & Ylim TO SHOW BLACK JUMP UPWARDS
52 # remember to add a comma after the ylim line and retain the last paranthesis
53
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```
54 # plot white with fixed range
55 plot(breCan$nhWhite_inc10_14,
56      breCan$nhWhite_mort11_15,
57      xlim=c(100,145),
58      ylim=c(18,35),
59      text(breCan$nhWhite_inc10_14,
60           breCan$nhWhite_mort11_15,
61           breCan$state,
62           cex=0.5)
63 )
64
65 # plot black with same range frame
66 plot(breCan$nhBlack_inc10_14,
67      breCan$nhBlack_mort11_15,
68      xlim=c(100,145),
69      ylim=c(18,35),
70      text(breCan$nhBlack_inc10_14,
71           breCan$nhBlack_mort11_15,
72           breCan$state,
73           cex=0.5)
74 )
75
76 # toggle between graphs to see difference
77 # white = higher incidence / lower mortality
78 # black = lower incidence / higher mortality
79
80 # export plot to PDF
```